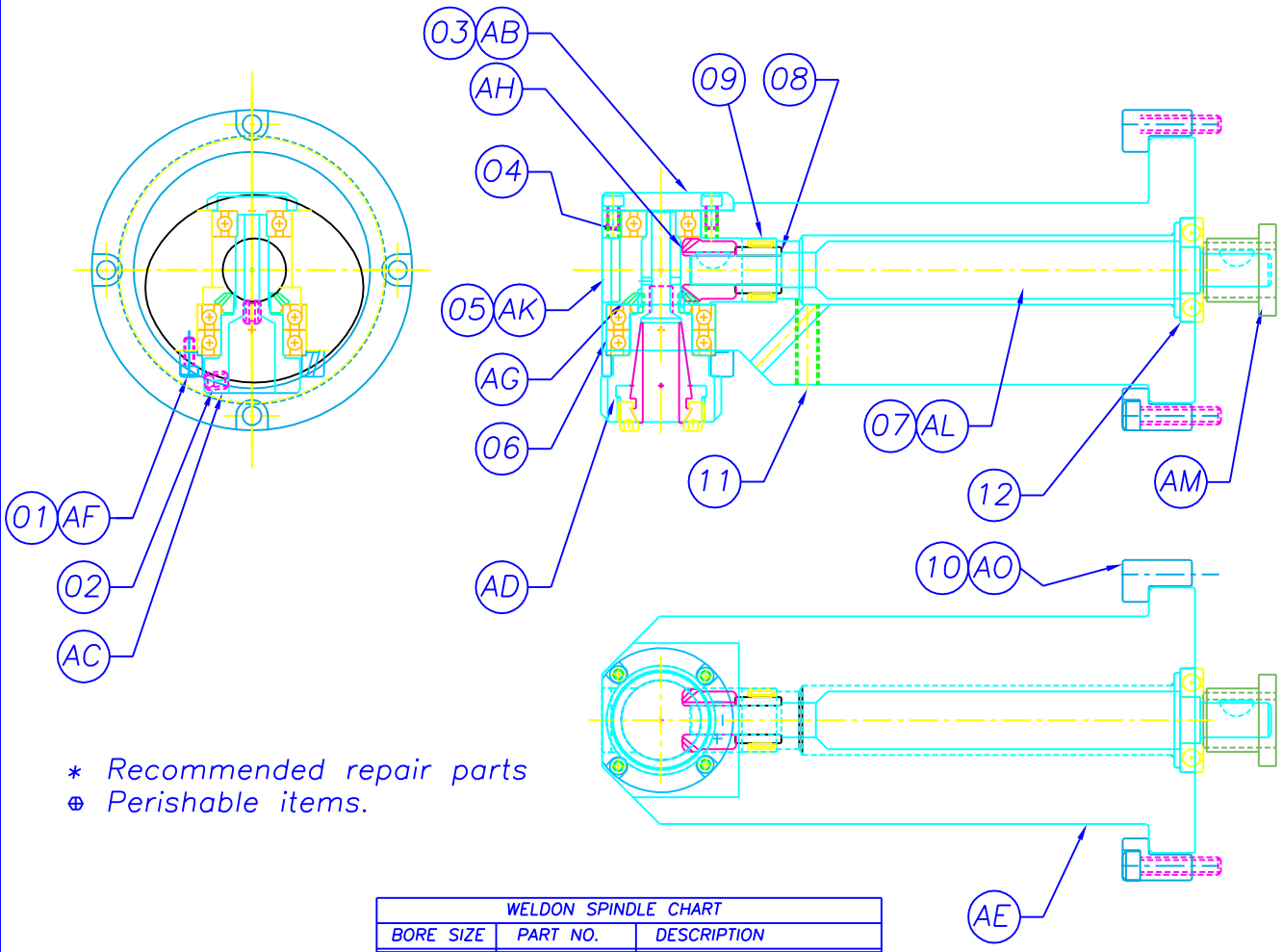

DETAIL	QTY	PART NO.	DESCRIPTION
AB	01	0001-AB	BEARING CAP - REAR
⊕ AC	01	SEE SPINDLE CHART	SPINDLE WELDON .500 BORE
⊕ AD	01	S3MER	SPINDLE ER-16 COLLET
AE	01	SEE LENGTH CHART	CARRIER-SPINDLE
AF	01	0100-AF	FRONT BEARING CAP
⊕ AG	01	G3S	SPINDLE GEAR
⊕ AH	01	G3D	DRIVE GEAR
AK	01	0100-AK	ENDCAP
⊕ AL	01	SEE LENGTH CHART	DRIVESHAFT
AM	01	0001-2C	SPIDER
AN	01	0001-AN	STOP-TOOL
AO	01	0001-AO	CLAMP COLLAR
01	04	0100-01	SHCS #4-40 X .31
02	02	0100-02	1/4-20 X .25 SHSS
03	02	0100-03	#6-32 X .25 SHCS
* 04	01	0100-04	REAR SPINDLE BEARING
05	04	0100-05	4-40 X 1/4 FHCS
* 06	01	0100-06	FRONT SPINDLE BEARING SET
⊕ 07	02	67989244	WOODRUFF KEY
* 08	01	0100-08	UPPER DRIVE SHAFT BEARING RACE
* 09	01	0100-09	UPPER DRIVE SHAFT BEARING
10	04	0100-10	10-32 X 7/8 SHCS
11	01	0100-11	1/4-20 X 5/8 SET SCREW
* 12	01	0100-12	LOWER DRIVE SHAFT BEARING

* Recommended repair parts
⊕ Perishable items.

OPTIONAL HEAD LENGTH CHART		
HEAD LENGTH	HEAD PART NO.	DRIVE SHAFT PART NO.
3.500	0001-AE	0001-AL
5.000	0001-AEX	0001-ALX
8.000	0001-AE8	0001-AL8
10.000	0001-AE10	0001-AL10
12.000	0001-AE12	0001-AL12

WELDON SPINDLE CHART		
BORE SIZE	PART NO.	DESCRIPTION
.250	S3MW14	1/4 WELDON SPINDLE
.312	S3MW31	5/16 WELDON SPINDLE
.375	S3MW38	3/8 WELDON SPINDLE
.500	S3MW12	1/2 WELDON SPINDLE
.236	S3MWM6	6MM WELDON SPINDLE
.314	S3MWM8	8MM WELDON SPINDLE
.394	S3MWM10	10 WELDON SPINDLE
.472	S3MWM12	12 WELDON SPINDLE

TOLERANCES (UNLESS OTHERWISE NOTED)
DECIMAL
2 PLACES ±
3 PLACES ±
1 PLACE ±
FRACTIONAL ±
ANGULAR ±

REVISIONS

NO.	DATE	BY

ELTOOL

PART NAME: 3M RIGHT ANGLE HEAD
DRAWN BY: R. OLSON
SCALE: NTS
DATE: 11-21-00
MATERIAL:
CUSTOMER:
DRAWING NO.: 0100-HA